



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

June 6, 2012

ADDENDUM #1

To: Plan Holders

From: Wanda H. Austin, PE *Wanda H Austin*  
Proposals Engineer

RE:

Contract ID: DN00096  
County: Polk  
Letting Date: June 12, 2012

The following questions have been asked regarding the above project. Answers are provided in italics.

1. Is pullout testing required on the self-drilling nails, or just the launched nails? If pullout testing is required on the self-drilling nails, which method is to be used? *Pullout testing is required for the self-drilling nails. Contractor should follow industry standard testing and include testing in the design submittal.*
2. Which reference is to be used for design with self-drilling soil nails? *The scope of the project is design/build. The design as stated in the project special provision should be completed by a professional engineer licensed in the State of North Carolina. The design should comply with current engineering practices and the design criteria specified on page 24 of the project special provision.*
3. What are the required factors of safety for soil nail pullout failure, wall global stability, and soil nail bar failure? *See answer to question 2.*
4. What is the required factor of safety for flexural or punching failure of the shotcrete? *See answer to question 2.*
5. What is the design life of these walls? *See answer to question 2.*
6. Neither of these sites seem appropriate for wire mesh facing. Which design guidelines/software should be used for wire mesh facing design? *See answer to question 2.*
7. What is the length of the warranty on the installation? *There is no expressed warranty included in the contract beyond the final acceptance of the project.*
8. Is a warranty bond required? *No*
9. Is there any requirement for the firm to have any experience repairing active landslides on open roadways to bid on this solicitation? *Contractual Services*

Fourteenth Division Office

Phone: (828)586-2141

253 Webster Road, Sylva, North Carolina 28779

Fax: (828)586-4043

- *qualifications section reviews the qualifications of contractors in accordance with Section 102-2 (B), (D), and (E) before prequalifying a contractor.*
10. If a bidder proposes to use self-drilling soil nails, are there any experience requirements for their firm, the superintendent, or the drill operator? *The experience requirements are covered in the project special provision on page 24 under Personnel.*
  11. Is subcontracting of any items (such as shotcrete) allowed? *Prime contractors are required to perform 30% of the contract work. Subcontracting is allowed for the remaining 60%.*
  12. There is no mention in the specifications of any corrosion mitigation methods or calculations for the self-drilling soil nails in a permanent application. What reference, method, or procedure should be used for corrosion mitigation on the self-drilling soil nails? *See answer to question 2.*
  13. Are access roads below the slope to install the nails allowed? *The project special provision states no disturbance to adjacent vegetation (page 22).*
  14. Will the roadways be closed to traffic during working hours, during the duration of the project, or will intermittent traffic be maintained throughout the repair? *The Department will provide all traffic control measures (page 33). The intent of the project is to leave the roads open to traffic; however, the Department will decide the best traffic control plan as the work proceeds.*
  15. One of these sites has lost significant shoulder width. Is there any requirement to rebuild the shoulder beyond the 6" shotcrete thickness (or, if wire mesh is used, to leave the shoulder as-is)? *Yes, The Contractor is responsible to provide a 5' shoulder upon completion of the wall.*
  16. Are the concrete barriers to be left in place? *No. The Department will remove the barriers prior to the Contractor beginning work.*
  17. Minor excavation/slope shaping is required at both sites. Is this provided by the Department, or by the bidder? *Any and all excavation/slope shaping is incidental to the cost of the wall and will be completed by the Contractor.*

Please insert this letter into the proposal and sign the verification below. Thank you for your attention to this matter.

I, \_\_\_\_\_ representing \_\_\_\_\_  
(SIGNATURE)

Acknowledge receipt of Addendum #1.